

89KTP0604SB Active

Evaluation Board for 89HP0604SB SATA Repeater 2-lane 6Gbps

The 89HP0604SB Repeater Evaluation Board is designed to enable quick in-system testing of IDT's 4-channel, 6Gbps SATA Repeater IC product.

This board provides a 2-lane connection from SATA host through the Repeaters to an HDD, SSD or other SATA device. One of the lanes includes an 18-inch trace segment to emulate PCB connectivity. This Evaluation Board is powered from a standard PC supply 3.3V SATA power connector. It is connected via two SATA cables to a host controller and storage device.

The 89HP0604S Repeater uses pin-strap configuration, and this Evaluation Board implements a three-position DIP switch for simple setting of receiver equalization and transmitter swing and emphasis. Each of the 4-channels is independently configured via the switches.

Features

- Contains one 89HP0604SBZBNRG SAS/SATA Repeater that compensates for PCB trace attenuation and ISI jitter
- 2-lane SATA interface card with full SAS/SATA protocol support
- Short and long 18-inch trace path options
- Simple configuration via DIP switches
- Independent upstream and down-stream Repeater configuration and optimization
- Multiple power connection options
- Card format: 2.375" x 4.5"

Product Options

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89KTP0604SB	Active	Availability

Technical Documentation

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Title	Format	File Size	Date
User Guides & Manuals			
89EBP0604SB SATA 6.25Gbps Eval Board Manual	PDF	941 KB	Mar 17, 2011
Other			
89EBP0604SB Eval Board Schematics - Fab # 18-703-000 (layered for online viewing)	PDF	1.27 MB	Aug 30, 2010
89EBP0604SB Eval Board Schematics	PDF	471 KB	Mar 17, 2011

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